

JURECIC, S.

Excretion of nitrogen compounds in the perfusate and secretive  
liquid of the thin intestine after irradiation with 600 r.  
Bul sc Yaug 7 no.1/2:13 F-Ap '62.

1. Institut "J. Stefan," Ljubljana.

\*

P.T.A. JURECKA, B.

*Chemistry & Chemical  
Technology*

544

542.98 : 547.723 : 547.811 : 577.1

Chmielewska I., Jurecka B. Relation between Structure and Biological Activity of Compounds of the Dicoumarol Type.

„Zależność między budową a działaniem biologicznym typu dikumarolu”. Przemysł Chemiczny. No. 6, 1960, pp. 284--286, 2 tabs.

This research has been undertaken to prove that the biological activity of dicoumarol is related to the ability of forming a cyclic closure of ketal structure:  $\alpha$  — hydroxy  $\alpha, \beta$  — dihydro-pyran with unsaturated bond in position  $\alpha'$   $\beta'$  to ring oxygen. On the basis of research work carried out the authors modify their initial hypothesis: both structures —  $\alpha$  — hydroxy  $\alpha, \beta$  — dihydro-pyran, as well as  $\alpha$  — hydroxy  $\alpha, \beta$  — dihydro-furan, may be responsible for anti-prothrombin activity.

JURECKA, B.

MANICKI, J.; RACZYNSKA-BOJANOWSKA, K.; JURECKA, B.; CEMIELEWSKA, I.

Investigations of the effect on the animal organism of amino acids obtained by hydrolysis of whole animal blood. Polski tygod. lek. 6 nos.13-14:501-506 2 Apr 1951. (CINL 20:11)

1. Of the Second Surgical Clinic (Head -- Prof. Jan. Mossakowski, M.D.) of Warsaw Medical Academy and of the Department of Biochemistry of the Central Institute of Industrial Chemistry.

JURECKA, B.

Conditions in enzymatic hydrolysis of bovine blood protein. Acta  
physiol. polon. 3 Suppl. 3: 168-169 1952. (OIML 24:1)

1. Of the Department of Biochemistry (Head--Docent Chmielewska, M.D.)  
of the Institute of Pharmacology.

Category: : H-17  
Abs. Jour. : 39662  
Author : Jurecka, B. and Galecka, H.  
Institut. : Not given  
Title : The Chromatographic Separation of Vitamin D-2 from  
the Irradiation Products of Ergosterin  
Orig. Pub. : Przemysl Spozywczy, 11, No 12, 507-509 (1957)  
Abstract : The authors have developed a method for separating  
Vitamin D-2 from the irradiation products of ergos-  
terine by paper chromatography. The solvent used  
is a mixture of methanol, ethyl ether, decalin, and  
water in the ratios 75 : 15 : 5 : 5. The pure Vita-  
min D-2 assay of the crude raw material mixture can  
be determined with an error lying between 4 and 10%.  
A. Vavilova

Card: 1/1

H-68

JURECKA, Bronislawa

Effect of pH on the course of cattle blood hydrolysis by pancreatic enzymes II. Composition of a mixture of free amino acids and peptides. Acta Pol. pharm. 21 no.1:85-91 '64.

1. Z Zakladu Biochemii Instytut Lekow w Warszawie (Kierownik: Zakladur mgr J. Iwanowska).

Jurecka, Fran Yisek.

Trichloroacetyl chloride. John D. Calfee and Thomas A. Wallace, Jr. (to Alltech Chemical & Dye Corp.). U.S. 2,718,625, Feb. 24, 1956. A process is described for the prepn. of  $\text{Cl}_3\text{C-COCl}$  (I) which comprises continuously mixing  $\text{C}_2\text{Cl}_4$  (II) vapor and air (in the absence of elemental Cl) in the proportion of 1 part II to 1-6 parts air and passing the resulting mixt. through a reaction zone exposed to actinic radiation with an exposure time not exceeding 3.3 min. Thus, liquid II was placed in a glass vaporizer vessel equipped with an inlet for II, a delivery tube for the admission of air below the surface of II, and a take-off arm leading to a vertical cylindrical reaction tube 3 ft. outside diam. containing a concentric 1-in. Hg. vapor lamp designed to emit light of about 2800 Å. running the length of the tube, the temp. of II raised to 35°, and air bubbled through the II at a rate of 1.5 l./min. 0.5 hr. with the temp. maintained at 35°. About 1.5 l./min. of II and air were passed through the tube at 500 mm. Hg. the mixt. exposed for an av. of 2 min. from a total of 64 g. II (11.6 l.) and 44 l. air was obtained 07 g. I and 0 g. unchanged II.

Acetyl benzoyl peroxide. Richard Chruschell and Blazizek Jurecka. Czech. 85,190, Dec. 1, 1955. Preparation of  $\text{BzOH}$  (I) and  $\text{Ac}_2\text{O}$  (II) in molar ratios of 1:1.5 to 1:5 is catalyzed by addn. of alk. earth metals of the 2nd or 3rd group, which stabilize the primary labile intermediary product  $(\text{PhCHO})_2\text{O}_2$  toward formation of  $\text{BzOH}$ . Air bubbled through 10.5 g. mole. II 1.25 g. moles, and  $\text{CaCO}_3$ , 25 g. at a rate 70-100 l./hr. 3 hrs. at 30-45° in daylight, the mixt. poured into 5-10 vols. of water, and the oil which separated, washed with 5% soln. of  $\text{NaHCO}_3$  in water, gave 75-8 g. cryst.  $\text{Ac}_2\text{O}$  (purity 98%).

TLUSTY, Lubomir; PETRLE, Miroslav; FIEDLEROVA, Dagmar; REZAC, Vladimir;  
VIZDA, Jaroslav; JURECKA, Jiri.

An attempt to determine some parameters of aging during routine  
clinical examination. Sborn. ved. prac. lek. fak. Karlov. Univ.  
9 no.1:339-355 '64.

1. I. Interni klinika (prednosta: prof. MUDr. F. Cernik)  
Karlov University v Hradci Kralove.



JURECKI, Zbigniew, inz.

Wladyslaw Stal; obituary. Gosp wodna 25 no.1:29 Ja '65.

JUREK, A.

Inert balancing of crankshafts in the 4-cycle 8-cylinder V engine. p. 101.  
(JARNIVED ES GEPEK, Budapest, Hungary), Vol. 1, No. 4, Apr. 1954.

EC: Monthly List of East European Accessions, (EEAL), 1C, Vol. 4,  
No. 5, May 1955, Uncl.

JUREK, AUREL

Belsőegész motorok (Internal-Combustion Motors); a book review. p. 403.  
KOZLEKEDESTODOMANYI SZEMLE. Budapest. Vol. 5, No. 10, Oct. 1955

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, No. 2, Feb. 1956

JUREK, A.

Emil Schimanek's Energiaatalakulas hoerogepekben (Energy Conversion in Heat Engines); a book review, p. 505, ACTA TECHNICA, (Magyar Tudományos Akademia) Budapest, Vol. 10, No. 3/4, 1955

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 4, No. 12, December 1955

JUREK, A.

JUREK, A. Emil Schimunek's Energiataalakulas hőerőgépekben (Conversion of Energy in Heat Power Engines); a book review. p. 533.

Vol. 15, No. 1/4, 1955.

KOZLEMENYEI

TECHNOLOGY

Budapest, Hungary

So: East European Accession, Vol. 5, No. 5, May 1956

JUREK, A., Prof.

The description of the "Jupiter" hydromechanical continuously variable speed transmission. Periodica polytech eng 4 no.2:115-136 '60.

(EETAI 10:4)

1. Department for Gas Engines and Automobiles, Polytechnical University, Budapest.  
(Automobiles)

JUREK, A., prof. (Budapest XI, Stoczek u. 2. Ungarn.)

The "Merkur" steering mechanism of motor vehicles equipped with crawler transmission. Periodica polytechn eng 5 no.3:171-203 '61

1. Lehrstuhl für Verbrennungsmotoren und Kraftfahrzeuge, Technische Universität, Budapest.

(Motor vehicles)

JUREK, Aurel, dr., egyetemi tanar

Motor manufacture and automotive industry in Hungary. Jarmu mezo  
gep 8 no.1:8-10 Ja '61.

1. "Jarmuvek - Mezogazdasagi Gepek" szerkeszto bizottsagi tagja.



JUREK, Aurel, dr., egyetemi tanar

Motor vehicle engines. Jarmu mezo gep 9 no.1:4-5 Ja '62.

1. Muszaki Egyetem.

JUREK, B.

Selected problems of gearing in machinetool construction., p. 556

MECHANIK. (Stowarzyszenie Inzynierow i Technikow Mechanikow Polskich)  
Warszawa, Poland, Vol. 32, no. 9, Sept. 1959.

Monthly list of East European Accession (EEAI) LC, Vol. 9, No. 1, Jan. 1959.

Uncl.

JUREK, B., mgr inz.

The creep mechanism. Mechanik 35 no.12:672-673 D '62.



Jurek, Bohumil

Category : CZECHOSLOVAKIA/Optics - Geometric Media

K-2

Abs Jour : Ref Zhur - Fizika, No 2, 1957, No 4838

Author : Jurek, Bohumil

Title : Spherical Surfaces in Systems of Two Mirrors.

Orig Pub : Rozpr. Ceskosl. akad. ved, 1955, MPV, 65, No 10, 1-25

Abstract : To satisfy the condition of correct stigmatism in a two-mirror system requires in general that one of the mirrors be aspherical, and if it is furthermore required that the system be aplanatic, it is necessary that both mirrors be aspherical. It is shown that with the exception of known cases, when: a) the system consists of two spherical mirrors and the object point is located in the common center; b) the object point is located on one of the spherical surfaces of the mirrors; c) the system consists of a spherical mirror and a cardioid, there are no systems for which the condition of exact stigmatism and exact aplanatism are satisfied.

Card : 1/1

Jurek, B.

Czechoslovakia/Optics - Optical Technique, K-4

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 35700

Author: Jurek, B.

Institution:

Title: New Spherometric Method

Original JEMNA MECHANIKA A OPTIKA

Periodical: Jemna mech. a opt., 1956, No 1, 15-16; Czech; Russian and German  
resumes

Abstract: Description of a new auto-collimating method of measuring the  
radii of the curvature of optical surfaces. To increase the  
accuracy, the primary beam is divided into 2 and a polarizing  
plate is introduced into the optical system.

Card 1/1

JUREK , B.  
~~XXXXXXXXXX~~

Mirror lenses of microscopes.

P. 9 (Jemna Mechanika a Optike. Vol. 2, no. 1, Feb. 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,  
February 1958

CZECHOSLOVAKIA/Optics - Optical Technology

K-4

Abs Jour : Ref Zhur - Fizika, No 10, 1958, No 23790

Author : Jurek Bohunil

Inst : Czechoslovak Academy of Sciences, Prague, Czechoslovakia

Title : Cemented Aplanat with Spherical Cementing Surface.

Orig Pub : Rozpr. CSAV. Rade MFV, 1957, 67, No 12, 1-8

Abstract : The problem is raised what form must the outer surface of a cemented lens have if the cementing surface is spherical. A method of successive approximation is given for the solution of this problem.

Card : 1/1

40

Card : 1/1



CZECHOSLOVAKIA/Optics - Optical Technology

K

Abs Jour : Ref Zhur Fizika, No 9, 1959, 21238

Author : Jurek, Bohumil

Inst : Czechoslovak Academy of Sciences, Laboratory for Optics,  
Prague, Czechoslovakia

Title : Image-Producing Systems with Aspherical Surfaces

Orig Pub : Prirod. vedy skole, 1958, 8, No 8, 673-683

Abstract : Popular article, describing the history of the application of aspherical surfaces for the correction of optical systems. Elementary theory of obtaining aberration-free images is given. Two examples are cited: the mirror microobjective and the Schmidt camera. -- A.A. Zabelin

Card 1/1

- 110 -

JUREK, B.

New methods of solving the mirror aplanat.

p. 9 (Rozpravy, Rada Matematicko-Prirodovedecka) Vol. 67. no. 12, 1958. Praha. Czech.

30: Monthly Index of East European Accessions (EEAI) IC Vol. 7, no. 1 Jan 1958

JUREK, B

"Method for numerical solution of differential equations of the 1st order  
and its use in the geometric optics."

APLIKACE MATEMATIKY, Praha, Czechoslovakia, Vol. 4, no. 3, 1959

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, Sept 59  
Unclass

JUREK, B.

TECHNOLOGY

PERIODICAL: MECHANIK, Vol. 32, no. 1, Jan. 1959.

JUREK, B.: A simple combination of levers for drawing involutes. p. 21.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4, April, 1959, Unclass.

JUREK, B.

"Fermat's principle and the problem of construction refraction systems"

Rozpravy. Rada Matematicko-Prirodovedecka. Praha, Czechoslovakia. Vol. 69, no. 5, 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 7, July 59, Unclass

JUREK, B.

"Design of a microscopic objective consisting of two mirrors."

JEMNA MECHANIKA A OPTIKA, Praha, Czechoslovakia, Vol. 4, No. 3, March 1959.

Monthly List of East European Accessions (EAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

JUREK, R.

Measuring aspherical surfaces. p. 350.

JEMNA MECHANIKA A OPTIKA (Ministerstvo presneho strojirenstvi a Ustav pro  
vyskum optiky a jemne mechaniky) Praha, Czechoslovakia Vol. 4, no. 10, Oct. 1959

Monthly List of East European accession, (EEAI), LC, Vol. 6, No. 12, Dec. 1959  
Uncl.

JUREK, B., dr.

Mirror microscope objective for an image converter. Jemna mech  
opt 8 no.10:313-314 0 '63.

1. Laborator optiky, Ceskoslovenska akademie ved, Praha.



JUREK, Jeno, muszaki egyetemi docens

Development of drives of wheeled tractors. Jarmu memo gep 8 no.12:  
448-457 D '61.

JUREK, Jenó, muszaki egyetemi docens

Two-cycle or four-cycle engine? Auto motor 15 no.1:20 Ja '62.

(Hungary—Motorcycles)

JUREK, Jeno

"Technical handbook on tractors" by Blumenthal. Reviewed by  
Jeno Jurek. Jarmu mezo gap 10 no.2:73-74 F '63.

JUREK, Ladislav, inz.; RYSANEK, Frantisek, inz.

Progressive design of crushing and sorting plants at  
limestone quarries. Rudy 11 no.9:300-303 S '63.

1. Rudny projekt, Brno.

JUREK, M.

What are the causes of the ideologic weakness of the Party organization?  
Post-verification consideration of one from the nth mechanized regiment.

P. 113 (WOJSKO LUDOWE) (Warszawa, Poland) No. 2, Feb. 1958

30: Monthly Index of East European Accessions (EEAI) II Vol. 7, No. 5.  
1958

ULBRICH, V.; MAKES, J.; JURECEK, M.

Identification of glycidyl ethers; bis-phenyl and bis- $\alpha$ -naphthylurethan of  $\alpha$ -(alkyl(aryl)ethers of glycerin. Coll Cz Chem 29 no. 6:1466-1475 Je '64.

1. Research Institute of Synthetic Resins and Lacquers, Pardubice (for Ulbrich and Makes). 2. Institute of Analytical Chemistry, Higher School of Chemical Technology, Pardubice (for Jurecek).

JURECKA, Jan, promovany ekonom

"Comparison of enterprises in the chemical industry" by  
V. Sada. Reviewed by Jan Jurecka. Podn org 18 no.10:479  
O '64.

L 00520-66

ACCESSION NR: AP5023864

02/0049/04/000/011/0027/0035

AUTHOR: Repka, Jozef (Repka, Yosef)(Engineer)(Nitra); Jurakova, Zuzana (Jurakova, Zuzanna)(Nitra); Danko, Juraj (Danko, Yuray)(Nitra)

TITLE: Ability of winter wheat to synthesize nitrogen compounds at low temperatures

SOURCE: Biologia, no. 11, 1964, 827-835

TOPIC TAGS: plant metabolism, plant chemistry, organic nitrogen

ABSTRACT: Ability of winter wheat to metabolize nitrogen supplied to it was studied at low temperatures. A solution of Ca nitrate was supplied to winter wheat at temperatures of +3 to 0°C. Changes in aminoacids and glycodes were investigated; the plants were able to assimilate and metabolize the nitrogen; those grown with an insufficient N in fertilizers had an increased assimilation of N from atmosphere. The percentage composition of aminoacids changed with changes in temperature. At +3° glutamic acid was prevalent at 0°C glutamine and serine.

Orig. art. has: 3 tables, 2 graphs.

Card 1/2



L 00520-66

ACCESSION NR: AP5023864

ASSOCIATION: Katedra fyziologie rastlin Agronomickéj fakulty Vysokej školy  
poľnohospodárskej, Nitra (Department of Botanical Physiology, Faculty of Agronomics,  
College of Agriculture)

SUBMITTED: 07Mar64

ENCL: 00

SUB CODE: 18

NR REF SOV: 004

OTHER: 008

JPRS

*ju*  
Card 2/2

JURELA, Dusko, dr

Public health institute with functions of a health center in accordance with the law on health protection and health service organization. Liječn. vjesn. 84 no.9:929-933 '62.

1. Iz Zavoda za zaštitu zdravlja grada Zagreba.  
(PUBLIC HEALTH ADMINISTRATION) (LEGISLATION MEDICAL)

S

JUREN, O. MUDr.; KUBISTA, Z., Ing.; PRAZAK, V. Ing.

Value of potassium bichromate test in cement eczema. Pracovní lek.  
9 no.4:330-332 Sept 57.

1. I. dermatologická klinika, Praha, prednosta prof. Dr. K. Gavalowski  
A Vyskumny ustav ochrany materialu, Praha, prednosta Ing. M. Roubal.  
O. J., Praha 2, Koubkova 10.

(DERMATITIS CONTACT, etiol. & pathogen.

chromium in cement workers, potassium bichromate test  
(Cs))

(CHROMIUM, inj. eff.

contact dermatitis in cement workers, potassium bichromate  
test (Cs))

JIRASIK, L.; JUREN, O.

Cutaneous changes in workers using radioactive luminescent paints.  
Acta univ. carol. [med.] Suppl. 14:219-222 '61.

1. II. kozni klinika fakulty vseobecneho lekarstvi University Karlovy  
v Praze, prednosta prof. dr. K. Hubschmann I. kozni klinika fakulty  
vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. dr.  
K. Gawalowski.

(SKIN radiation eff)	(RADIATION INJURIES)
(OCCUPATIONAL DERMATITIS)	(STRONTIUM radioactive)
(YTTRIUM radioactive)	(PAINT)

JIRASEK, Lubor; JUREN, Otakar

Occupational radiodermatitis following work with radioactive  
luminescent paints (Sr90) Cesk. dermat. 36 no.2:91-94 '61.

1. Dermatovenerologicka klinika v Praze, prednosta prof. dr. K.  
Gawalowski. 2. Dermatovenerologicka klinika v Praze, prednosta prof.  
dr. K. Hubschmann.

(STRONTIUM radioactive) (RADIATION INJURY)  
(DERMATITIS etiol.) PAINT)

JURENKA, V.

"Freight transportation on inland waterways."

p. 43 (Czechoslovak Heavy Industry) No. 8, 1956  
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

JURENKOVA, Stanislava

Malformations of the bile duct. Cesk. pediat. 14 no.2:114-118 5 Feb 59.

1. Katedra patologické anatomie a mikrobiologie fakulty detskeho lekarstvi  
Karlovy university, prednosta doc. Dagmar Benesova. S. J., Katedra patol.  
anat. a mikrobiol. FDLKU, Praha 2, U Botanického ustavu 2.  
(BILE DUCT, COMMON, abnorm.  
postmortem findings in child. (Gz))

RUMANIA

POPOVICI, D. Gh. Candidate in Biological Science (Candidat in Stiinte Biologice) and JURESCOVA, Galina, Eng, of the Zootechnical Research Institute (Institutul de Cercetari Zootehnice).

"The Influence of Adrenalin and Glanduitrin on the Evacuation of Milk from the Udder During Milking."

Bucharest, Revista de Zootehnie si Medecina Veterinara, Vol 13, No 7, Jul 63, pp 36-41.

Abstract: Based on tests with 5 goats in the first period of lactation, it is concluded that the intravenous administration of adrenalin in doses of 0.0028 milligrams per kilogram induces the evacuation of milk. The effect, however, is of short duration: the intracisternal pressure returns to its original level in approximately 60 seconds. If glanduitrin is administered, intracisternal pressure is maintained for 2 to 3 minutes and does not return to its original level for 7 to 8 minutes. Contains 4 figures, 1 table and 14 references, of which 6 Russian, 4 Rumanian and 4 Western.



JURETIC, Miro, Dr. Split.

~~Acute allergic manifestations caused by mercury therapy. Med.~~  
glasn. 9 no.4:141-146 Apr '55.

1. Medicinski centar JRM (upravnik puk.dr V. Ivanovic)  
    (MERCURY, inf. eff.  
      allergy, review(Ser))  
    (ALLERGY,  
      to mercury, review(Ser))

YUGOSLAVIA/Virology. Chlamydozoa.

E

Abs Jour: Ref Zhur-Biol., No 17, 1958, 76537.

Author : Juretic, Miro; Gregorcic, Milan.

\* Inst :

Title : Denign Lymphoreticulosis or a Disease Caused by  
Scratching by Cats.

Orig Pub: Lijecl. vjesn., 1957, 79, No 3-4, 147-151.

Abstract: A case of this illness in a 10-year-old boy is  
described. In Yugoslavia, there have been six cases  
of this disease registered.

\* Iz Medicinskeg centra JRM u Splitu.

Card : 1/1

KALAFATIC, Zrnka; JURETIC, Miro; BALOG, Nevenka

Ellis-Van Creveld syndrome. Rad. med. fak. Zagreb 8 no.1:39-48 '60;  
(ABNORMALITIES case reports)

JURETIC, Miro, Dr.: PETKOVIC, Branko, Dr.

Contribution to the epidemiology of primary herpetic infection.  
Lijec vjes 82 no.5:383-393 '60.

1. Iz Medicinskog Centra R.M. u Splitu  
(HERPES epidemiol)

JURETIC, M.; BERITIC, T.

Fatal herpes (generalized herpes simplex). Lijećn. vješt. 83 no.6:  
632-634 '61.

(HERPES)

JURETIC, M.; BERITIC, T.

Mucoviscidosis. Lijećn. vješt. 83 no.12:1274-1276 '61.

(PANCREATIC CYSTIC FIBROSIS)

JURETIC, Miro, dr.; ALJINOVIC, Gorica, dr.; ZOLTNER, Domagoj, dr.

Hereditary crura vara. Lijsen. vjesn. 84 no.6:565-573 '62.

1. Iz Dječjeg odjela i Rendgen odjela Opće bolnice i Medicinskog Centra  
R.M. u Splitu.

(LEG abnorm)

YUGOSLAVIA

Dr M. JURETIC [No affiliation noted.]

"The Question of Embryopathies Ascribable to German Measles."

Zagreb, Lijecnicki Vjesnik, Vol 85, No 5, May 63; pp 543-545.

Abstract : Review of several recent studies in the context of the "Current severe epidemic of German measles in Split which began this year till April involved over 1000 persons.." No specific answers are given as to what can be done except try to shield pregnant women from infection. One can only hope that some effective method of active or passive immunization will be developed soon. Two Yugoslav, 16 Western references.

1/1

2434

E N D



JURETIC, M.

The problem of rubeola embryopathies. Liječn. vješt. 85 no.5:  
543-545 '63.

(RUBELLA) (PREGNANCY COMPL., INFECTIOUS)  
(ABNORMALITIES)

S

Allergology

YUGOSLAVIA

RUMBOLT, Zvonko; and JURETIC, Miro, Clinic for Pediatric Diseases, Children's Hospital (Klinik za dječje bolesti, Dječja bolnica) "Kantrida", Rijeka, and Medical Station (Zdravstvena stanica), Split

"Test of the Basophil Degranulation in Penicillin Sensitivity"

Zagreb, Liječnički Vjesnik, Vol 88, No 6, June 1966; pp 619-625

Abstract:[English summary modified] Use of Shelley's basophil degranulation test with slight technical modifications, in 30 patients for penicillin allergy; of 32 specimens of sera taken, 17 were positive, 15 negative; 6 of these were false negatives. 1 table, diagram, 1 photomicrograph; 2 Yugoslav, 12 Western references. Manuscript received 1 Feb 66.

1/1

POL/39-26-3-3/13  
 The Influence of Cold-Working with Light Draughts Connected with  
 Suitable Thermal Treatment on Power-Loss in Rolled Magnetic Sheets

mosphere. The chemical compound of the four samples can be taken from table 1. The dimensions of the basic work piece were 790 x 200 x 13.2 mm. In case (I) it could be rolled up to 0.28 mm, in case (II) and (III) up to 0.35 mm. The author describes the heavy difficulties under which the work had to be done. Some of the rolls cracked and no experts were available. To read the various diagrams, a series of figures is given. The Roman figures (I-IV) correspond to the four samples. The next Arab figure corresponds to the initial rolling of the sheet. The following Arab figures mean: 1) raw sheet metal annealed in furnace; 2) cold-rolling of sheet metal without annealing. For each two hours' period in hydrogen atmosphere the temperatures are: 1) = 800°, 2) = 900°, 3) = 1000°. For each five hours' period in hydrogen atmosphere, the temperature is 5) = 900°. For each five hours' period in vacuum the temperature is: 6) = 900°. For each three hours' period in

Card 2/4

POL/39-26-3-3/13

The Influence of Cold-Working with Light Draughts Connected with  
Suitable Thermal Treatment on Power-Loss in Rolled Magnetic Sheets

vacuum the temperature is:  $7) = 950^{\circ}$ . Figures 2 to 5 show the ratio of the loss ( $P_{101}$  W/kg) at the annealing temperature (continuous line) to the equivalent contents of carbon of the sheet metal (hatched line). The result is that the loss becomes smaller when the annealing temperature increases. Figures 8 to 15 show the influence of the critical deformation on the coherent tension  $H_c$ . Line (1) corresponds to the initial  $H_c$ , (2) to same after annealing according to conditions Nr 7. (3) to same at the critical deformation according to thermic treatment Nr 7. It was established that the best quality transformer sheets could be attained with a content of silicon between 3.21 to 3.27%. There are 15 graphs and 7 references, 6 of which are German and 1 English.

Card 3/4

✓

The Influence of Cold-Working with Light Draughts Connected with  
Suitable Thermal Treatment on Power-Loss in Rolled Magnetic Sheets

FOI/39-26-3-3/13

ASSOCIATION: Akademia Gornicza Freiberg (NRD) (Mining Academy Freiberg (East Germany))

SUBMITTED: October 16, 1958



Card 4/4

HIGIER, Jerzy; JUREWICZ, Aleksey

Extrauterine pregnancy at term. Gin.polska 29 no.1:19-32 Jan-Feb 58.

1. Z Oddziału Ginekologiczno-Położnicszego Centralnego Szpitala  
H.O.N. w Warszawie. Kierownik: dr med. J. Higier. Adres autora;  
Warszawa, ul. Bednarska 15 m. C.  
(PREGNANCY, ECTOPIC, case reports  
tubo-abdom. (Pol))

JUREWICZ, A.  
 COUNTRY : POLAND  
 CATEGORY : Physical Chemistry, Kinetics, Catalysis,  
 Explosions, Topochemistry, Catalysts  
 ABS. JOUR. : RZhKhim., No 17, 1959, No. 60095  
 AUTHOR : Tretyakov, E., Linka, E., Jurewicz, A.  
 INSTITUTE : -  
 TITLE : The Investigation of Zinc-Iron Contacts in the  
 Dehydration Reaction of Cyclohexanol. Correla-  
 ORIG. PUB. : Chem. stesov., 1959, 1, No 3, 315-328

ABSTRACT : Investigated are activities of a number of  
 Zn - Fe contacts (having different compositi-  
 ons) with regard to dehydration of cyclohexanol  
 to cyclohexanone. The activity of contacts de-  
 pends on their composition and on the method of  
 preparation. Two contacts, having an identical  
 composition (10.5 and 10.8% Fe), but characte-  
 rized by differences in structure, resulting  
 from different catalytic properties. One of

\*tion Between the Catalytic Properties of Con-  
 tacts and Their Potentiometric Characteristics.

Card: 1/2

B-16

Jurewicz, A.

5811

546.171.1:547.821.4

Lipka B., Treszczanowicz E., Jaworska I., Jurewicz A. The Study of the Contact Oxidation with Air in the Presence of Ammonia of a 3- and 4-Picolines Mixture.

„Badania nad kontaktowym utlenianiem mieszaniny 3- i 4-pikoliny powietrzem w obecności amoniaku”. Przemysł Chemiczny. No. 7, 1958, pp. 484—489, 6 figs., 5 tabs.

This paper deals with the preliminary examination of the process of contact oxidation of a 3- and 4-picoline mixture with air in the presence of ammonia. The reaction was carried out in gaseous phase over a contact of vanadium oxides on alumina carrier. The product obtained was a mixture of nitriles of nicotinic and isonicotinic acids. The yield of nitriles at 330—360° was about 63% of the theoretical in relation to the picolines introduced, and 80% to the picolines which entered into reaction. Only 6.6% of the picolines introduced suffered oxidation with decomposition.

6  
4E 3d  
270 def

JSJ



JUREWICZ, Aleksey

A case of argentaffinoma. Wiad. lek. 18 no.2:177-178 15 Ja '65

1. Z Kliniki Chorob Kobietych i Polozniczych 2 Centr. Szpitala  
Klinicznego Wojskowej Akademii Medycznej w Lodzi (kierownik:  
doc.dr.med. J. Higier).

JUREWICZ, ANDRZEJ

(K<sup>+</sup>-nucleon scattering in the Tamm-Dancoff approximation. Grzegorz Białkowski and Andrzej Jurewicz (Univ. Warsaw, Poland). *Phys. Rev.* 113, 1269-71 (1959).) —  
 Calcns. of K<sup>+</sup>-nucleon scattering phase shifts are reported. A simple model of Yukawa interactions between K mesons and baryons (contg. no derivs.) is adopted. The method used is a 3-dimensional Tamm-Dancoff approxn., but with no simplifications as far as recoil effects are concerned. This method is particularly convenient for K<sup>+</sup>-nucleon scattering, since the principle of assoc. production excludes graphs leading to nonrenormalizable effects. The resulting integral equation has been solved for the T<sup>+</sup> = 1, S<sub>1/2</sub>, P<sub>1/2</sub>, and P<sub>3/2</sub> states in the energy region up to 1.23 h.e.v. The coupling const. is the only parameter to be detd. from exptl. data. This was chosen to fit the exptl. value of the total cross section at about 350 m.e.v. It turned out that the best agreement with expt. was obtained with  $(G^2 + g^2)/4\pi = 12.5$ . This value is much greater than the corresponding one adopted in previous papers. — P. M. B.

JUREWICZ, ANDRZEJ

Nonadiabatic treatment of the scattering of  $K^+$  mesons by nucleons. Grzegorz Bialkowski and Andrzej Jurewicz. (Univ. Warsaw). Nuclear Phys. 17, 353-10(1960).  
assuming pseudoscalar Yukawa coupling between  $K$  mesons.

19  
JTP(c)

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619720003-3

charge-exchange scattering were presented.

Norman H. Pickering

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619720003-3"

JUREWICZ, A.

P/047/60/011/002/002/003  
B021/B064

AUTHORS: Białkowski Grzegorz and Jurewicz Andrzej  
TITLE: Classification Schemes for Elementary Particles /9  
PERIODICAL: Postępy Fizyki, 1960, Vol. 11, No. 2, pp. 191-205

TEXT: As may be seen from the preface, the authors restrict themselves to listing some essential models of classification, special mention being made of the model by W. Królikowski. The scheme of d'Espagnat-Prentki was previously discussed in the periodical "Postępy Fizyki". The authors classified certain elementary particles (Table 1). The model developed by Salam-Polkinghorne is a modification of that of Gell-Mann and Pais; it contains the well-known relation between charge, isospin, and the number of baryons. Table 2 classifies the pions and K-mesons. The classification of various hyperons and nucleons may be seen from Table 3. Tiomno's classification of baryons is given in Table 4, and a classification of mesons is contained in Table 5. Finally, also the scheme of Pais is mentioned; whose great merits in the classification of elementary

Card 1/2

Classification Schemes for Elementary  
Particles

P/047/60/011/002/002/003  
B021/B064

particles are stressed. There are 5 tables and 9 references: 1 British,  
6 US, and 2 Italian.

ASSOCIATION: Instytut Fizyki Teoretycznej Uniwersytetu Warszawskiego,  
Warszawa (Institute of Theoretical Physics of Warsaw  
University, Warsaw)

---

✓

Card 2/2

22136

S/056/61/040/003/016/031  
B102/B205

24.6900 (1138, 1191, 1559)

AUTHORS: Solov'yev, L. D., Bialkowski, G., Jurawien, A.

TITLE: Equations for the photoproduction of pions on nucleons  
accounting for pion-pion interaction

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 40,  
no. 3, 1961, 839-847

TEXT: Equations for the partial pion photoproduction amplitudes at small energies have been derived on the strength of the Mandelstam representation in Cini-Fubini approximation and with regard to nucleon recoil and pion-pion interaction. The pion-pion interaction is introduced into the equations by pion-pion photoproduction amplitudes formulated in an earlier paper (Solov'yev, ZhETF, 40, 597, 1961). Pion-pion interaction makes a contribution only to isotope-scalar photoproduction amplitudes. As a consequence, pion-pion resonance in states with  $J=L=1$  (if these exist at all) yields a contribution only to those amplitudes to which no contribution is made by pion-nucleon resonance. The amplitude of photoproduction on pions depends on the high-energy singularities. In the

Card 1/7

22136

Equations for the photoproduction...

S/056/61/040/003/016/031  
B102/B205

X

expression for the former there appears a parameter that depends on the amplitudes of the processes  $\gamma\pi \rightarrow \pi\pi$  and  $\pi\pi \rightarrow \pi\pi$  in the region considered. This makes it possible to write formally a system of equations relating the amplitudes of the processes  $\gamma N \rightarrow \pi N$  and  $\gamma\pi \rightarrow \pi\pi$  to the  $\pi N$  and  $\pi\pi$  amplitudes. This system contains no new parameters. For the time being it is, however, not possible to take high-energy contributions into consideration, and data on the processes  $\gamma\pi \rightarrow \pi\pi$  and  $\pi\pi \rightarrow \pi\pi$  must be taken from experiments. Thus, equations are considered here only for the amplitudes of the process  $\gamma N \rightarrow \pi N$ , into which the experimentally determined parameter of the process  $\gamma\pi \rightarrow \pi\pi$  enters. The formulation of these equations requires a discussion of the extensive kinematics and the unitarity condition for the processes  $\gamma N \rightarrow \pi N$  and  $\gamma\pi \rightarrow \pi\pi$ , which is presented in the second part of the present paper. The kinematics of the former has been investigated repeatedly, and that of the latter is treated by a method of Jacob and Wick (Ann.Phys. 7, 404, 1959). In the second part, the spectral representation according to Mandelstam for the invariant amplitudes of photoproduction is written first:

Card 2/7



Equations for the photoproduction...

S/056/61/040/003/016/031  
B102/B205

$$H_l^{(\alpha)}(s, \hat{s}, t) = \left( B_l^{(\alpha)} - \frac{2e g_{l1}}{t - \mu^2} \right) \left( \frac{1}{s - m^2} \pm \frac{1}{s - m^2} \right) + \quad (32)$$

$$+ \frac{1}{\pi^2} \int_{(m+\mu)^2}^{\infty} dx \int_{\mu^2}^{\infty} dy \left( \frac{1}{x-s} \pm \frac{1}{x-s} \right) \frac{h_l^{(\alpha)}(x, y)}{y-t} + \frac{1}{\pi^2} \int_{(m+\mu)^2}^{\infty} dx dy \frac{h_l^{(\alpha)}(x, y)}{(x-s)(y-s)}.$$

$$h_l^{(\alpha)}(x, y) = \pm h_{l2}^{(\alpha)}(y, x). \quad (33)$$

$$B_1^{(\alpha)} = 0, \quad B_2^{(\alpha)} = B_3^{(\alpha)} = \frac{g}{2} \begin{cases} \mu_p^2 - \mu_n^2, & \alpha = 1 \\ \mu_p^2 + \mu_n^2, & \alpha = 2 \\ \mu_p^2 - \mu_n^2, & \alpha = 3 \end{cases} \quad (34).$$

$$B_4^{(\alpha)} = -\frac{1}{4} eg - m B_2^{(\alpha)}$$

This representation is supposed to be valid without any subtraction. Confining themselves to the low-energy range, neglecting the amplitudes F, H, etc., and making use of the Cini-Fubini approximation, the authors obtained this representation in the following way:

Card 3/7

Equations for the photoproduction...

2:136  
S/056/61/040/003/016/031  
B102/B205

$$H_1^{(\alpha)}(s, \bar{s}, t) = \text{Born term} + \frac{1}{\pi} \int_{(m+\mu)^2}^{\infty} dx \left( \frac{1}{x-s} + \frac{1}{x-\bar{s}} \right) a_1^{(\alpha)}(x, t) + \delta_{\alpha 2} \frac{1+\mu}{2\pi} \int_{\mu^2}^{\infty} \frac{b_1(x) dx}{x-t}$$

(35), where  $a_1^{(\alpha)} = \text{Im } H_1^{(\alpha)}$  for  $\gamma N \rightarrow \pi N$  and  $\delta_{\alpha 2} b_1 = \text{Im } H_1^{(\alpha)}$  for  $\gamma \pi \rightarrow \pi N$ .  
 $a_1^{(\alpha)}(s, t)$  corresponds only to a pion-nucleon intermediate state in the unitarity condition. The singularity with respect to  $t$  begins at  $16\mu^2$  and can be expanded in a Taylor series. When neglecting the phases  $D$ ,  $F$ , etc. of pion-nucleon scattering, this expansion reads

$a_1^{(\alpha)}(s, t) = a_{10}^{(\alpha)}(s) + (t-t_0)a_{11}^{(\alpha)}(s)$ . In order that  $a_1^{(\alpha)}(s, t)$  contains no unobserved angles,  $t_0$  is replaced by the threshold:  $t_0 = \mu^2 - 2\mu k_{\text{thresh}}$ ,  
 $k_{\text{thresh}} = \mu(2m+\mu)/2(m+\mu)$ . Substituting (35) in

$$M_{l\pm} = C \int_{-1}^1 dx \frac{1}{2} A_{l\pm} \left[ \frac{q(W-m)}{2} \frac{(1-x^2) P_l'(x)}{l(l+1)} H_1 + \right. \\ \left. + \left\{ \frac{W+m}{2W} (W + E_2 + qx) \left[ P_l(x) - \frac{q(W-m) P_{l\pm 1}(x)}{(E_2+m)(W+m)} \right] + q \frac{(1-x^2) P_l'(x)}{l(l+1)} \right\} H_2 + \right. \quad (17)$$

Card 4/7

23136

S/056/61/040/003/016/031  
B102/B205

Equations for the photoproduction...

$$+ \left\{ \frac{W+m}{2W} (\omega - qx) \left[ P_l(x) - \frac{q(W-m) P_{l\pm 1}(x)}{(E_s+m)(W+m)} \right] - q \frac{(1-x^2) P'_l(x)}{l(l+1)} \right\} H_3 +$$

$$+ 2 \left\{ P_l(x) + \frac{q P_{l\pm 1}(x)}{E_s+m} \right\} H_4, \quad (17)$$

$$E_{l\pm} = C \int_{-1}^1 dx \frac{1}{2} B_{l\pm} \left[ \frac{q(1-x^2)}{2} \left\{ \frac{q(W+m)}{E_s+m} D_{l\pm} P'_{l\pm 1}(x) - \right. \right.$$

$$\left. - (W-m) A_{l\pm} P'_l(x) \right\} H_1 + \left\{ \frac{W+m}{2W} (W+E_s+qx) \left[ P_l(x) - \right. \right.$$

$$\left. - \frac{q(W-m) P_{l\pm 1}(x)}{(E_s+m)(W+m)} \right] - q(1-x^2) \left[ A_{l\pm} P'_l(x) + D_{l\pm} \frac{q P'_{l\pm 1}(x)}{E_s+m} \right] \right\} H_2 +$$

$$+ \left\{ \frac{W+m}{2W} (\omega - qx) \left[ P_l(x) - \frac{q(W-m) P_{l\pm 1}(x)}{(E_s+m)(W+m)} \right] + \right.$$

$$\left. + q(1-x^2) \left[ A_{l\pm} P'_l(x) + D_{l\pm} \frac{q P'_{l\pm 1}(x)}{E_s+m} \right] \right\} H_3 + 2 \left\{ P_l(x) + \frac{q P_{l\pm 1}(x)}{E_s+m} \right\} H_4,$$

где

$$A_{l\pm} = \begin{cases} (l+1)^{-1} \\ -l^{-1} \end{cases}, \quad B_{l\pm} = \begin{cases} (l+1)^{-1} \\ l^{-1} \end{cases}, \quad D_{l\pm} = \begin{cases} (l+2)^{-1} \\ (l-1)^{-1} \end{cases}.$$

Card 5/7

2.135

S/056/61/040/003/016/031  
B102/B205

Equations for the photoproduction...

one obtains the integral equations for photoproduction. Whereas the last integral for the isotope-vectorial amplitudes vanishes only in (35), the reaction  $\gamma\pi \rightarrow N\bar{N}$  makes a contribution to the isotope-scalar amplitudes. Neglecting the non-resonant  $\pi N$  phases from (35), one obtains

$$H_l^{(n)}(s, \bar{s}, t) = \left( B_l^{(n)} - \frac{2eg\delta_{l1}}{t - \mu^2} \right) \left( \frac{1}{s - m^2} \pm \frac{1}{\bar{s} - m^2} \right) + \frac{1}{\pi} \int_{4\mu^2}^{\infty} \frac{b_l(t') dt'}{t' - t}. \quad (44)$$

for the isotope-scalar photoproduction amplitudes; the  $b_l$  are given by

$$\begin{aligned} b_1(t) &= \frac{mq_1}{16\pi E p^3} \left[ T_+^{(-)1} - \frac{m}{\sqrt{2}E} T_-^{(-)1} \right] f_1^*, \\ b_2(t) &= \frac{mq_1}{16\pi p^3} \left[ -\frac{m}{E} T_+^{(-)1} + \frac{1}{\sqrt{2}} T_-^{(-)1} \right] f_1^*, \\ b_3(t) &= 0, \quad b_4(t) = -(mq_1/16\pi E) T_+^{(-)1} f_1^*. \end{aligned} \quad (39).$$

There are 1 figure and 15 references: 6 Soviet-bloc and 9 non-Soviet-bloc. The three references to English language publications read as follows: J. L. Uretsky et al. Phys.Rev.Lett.1,12,1958; S. Mandelstam, Phys.Rev.112, 1344,1958; W. R. Frazer, J. R. Fulco Phys.Rev. 117,1603,1609, 1960.

Card 6/7

22136

Equations for the photoproduction...

S/056/61/040/003/016/031  
B102/B205

ASSOCIATION: Ob"yedinennyy institut yadernykh issledovaniy (Joint  
Institute of Nuclear Research); Institute of Theoretical  
Physics of Warsaw University, Poland, G. Bialkowski and  
A. Jurewicz

SUBMITTED: September 6, 1960

Card 7/7

BIALKOWSKI, G.; JUREWICZ, A.

A set of integral equations for the photoproduction of pions on nucleons amplitudes. I. Bul Ac Pol mat 10 no.1:49-55 '62.

1. Institute of Theoretical Physics, University, Warsaw. Presented by L. Infeld.

24 6600  
S/058/62/000/012/008/048  
A160/A101

AUTHORS: Białkowski, G., Jurewicz, A.

TITLE: A system of integral equations for the amplitudes of photoproduction of pions on nucleons. II

PERIODICAL: Referativnyy zhurnal, Fizika, no. 12, 1962, 52, abstract 12A448 ("Bull. Acad. Polon. sci. Sér. sci. math. astron. et phys.", no. 3, 1962, v. 10, 165 - 169, English; summary in Russian)

TEXT: Starting from the dispersion relations for energy at a fixed angle for symmetrically-rendered amplitudes of photoproduction of pions on nucleons, obtained in the previous article (ref. 12A447), a system of integral equations was derived for lower partial amplitudes of this process. The contribution of the left-hand section is disregarded.

V. Pavlov

[Abstracter's note: Complete translation]

Card 1/1

JUREWICZ, Edward, ins.

GMB-6 small over-all dimension, massless head for 6 kv cables.  
Wied elektrotechn 28 no.8:257-259 Ag '61.

1. Przedsiębiorstwo Robot Elektrycznych, Gdansk.



JUREWICZ, Edward, inz.

Remarks on standard PN-61/E-05125 "Electric power cable lines;  
construction provisions." Wiad elektrotechn 30 no.7:244-245  
Jl '62.

1. Przedsiębiorstwo Robot Elektrycznych, Gdanak.

JUREWICZ, Edward, inz.

Workshops of auxiliary production. Wiad elektrotechn 30 no.11:  
379-380 N '62.

1. Przedsiębiorstwo Robot Elektrycznych Elektromontaż, Gdansk.

JUREWICZ, Edward, inz.

Subsidiary production shops; preparation for the production.  
Wiad elektrotech 30 no.11:379-380 N '62.

1. Przedsiębiorstwo Robot Elektrycznych Elektromontaz, Gdansk.

WASILEWSKI, Michal; JUREWICZ, Irena

A case of breast cancer of long duration "cured" with stilbestrol. Nowotwory 13 no.1:83-92 '63.

1. Z Poradni Onkologicznej Wydziału Zdrowia i Opieki Społecznej  
DRN Warszawa-Praga Polnoc Kierownik: dr M. Wasilewski.  
(BREAST NEOPLASMS) (NEOPLASM THERAPY)  
(DIETHYLSTILBESTROL)

JUREWICZ, Janusz, mgr inz.; SADOWSKI, Kazimierz

Low-voltage electric apparatus produced by the Apator Works.  
Wiad elektrotechn 30 no.5:148-151 My '62.

JUREWICZ, Oktawiusz

Kazimierz Kumaniecki. Nauka polska 12 no.1:68-73 Ja-F '64.

1. University, Warsaw.

JUREWICZ, Wieslaw

Editorial. Probl proj hut maszyn 11 no.3:65 Mr '63.

Preliminary thesis for the elaboration of capital investment trends in the machine industry. Ibid.:66-70

1. Dyrektor Prozametu, Warszawa.

JURGA, B.

IBRMAER, Ya. [Ibrmajer, J.]; DLABACH, M. [Dlabac, M.]; DOLEZHAL, I.  
[Dolezal, J.]; YURGA, B. [Jurga, B.]; POLA, I.

Complex examination of geophysical materials of the Vienna  
Basin. Prace ust naft 18:37-38 '61.



JURGA, Bohus

Results of the experimental seismic measurements in the Flysch  
zone. Geol prace 63:99-108 '62.

JURGA, F.

TECHNOLOGY

periodicals: SBORNIK VEDECHYCH PRAC Vol. 2, 1957

JURGA, F. Representation of functions of a complex variable by means of nomograms with multiple fields. p. 7.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 5

May 1959, Unclass.

16(1)

PHASE I BOOK EXPLOITATION

CZECH/2486

Jurga, František, Professor of Natural Sciences

Nomografia a jiné grafické metody (Nomography and Other Graphic Methods)  
Bratislava, SVTL, 1958. 278 p. 1,700 copies printed.

Reviewer: Dr. Anton Huťa, Docent of Natural Sciences; Resp. Ed.: Samo  
Saling, Engineer; Tech. Ed.: F. R. Blažko; Managing Ed. for Literature  
on Theory: Pavol Holéczy (Chief Ed.)

PURPOSE: This book is intended as a **textbook** in graphical calculus,  
particularly in nomography, for engineering students in higher technical  
schools. It may be used by engineers for their work.

COVERAGE: The first part of the book deals with the fundamentals of  
graphical calculus, such as various types of scales, graph papers,  
and graphical representation of functions. The largest part of the  
book is devoted to charts, specifically to various types of alignment  
charts. The fundamentals of graphical analysis are given in  
connection with graphical differentiation and integration. The

Card 1/9

CZECH/2486

Nomography and Other (Cont.)

author thanks Assistant Engineer G. Sebova and Docent Dr. J. Jakubik for reading the manuscript, and J. Lux, Graduate Civil Engineer, for making the drawings, as well as the reviewer, Docent Dr. A. Huta. There are 44 references: 11 Czech and Slovak, 4 Russian, 20 German, 6 French, 2 English, and 1 Hungarian.

TABLE OF CONTENTS:

	9
Introduction	
1. Graphical Arithmetic and Algebra	11
1.1 Unit of graphical representation-modulus	11
1.2 Four fundamental calculation operations	13
1.3 Homogeneous entire linear function	15
1.4 Nonhomogeneous entire linear function	16
1.5 Solution of a system of linear equations by successive elimination	18
1.6 Lill's orthogon and solution of algebraic equations	21

Card 2/9

JURGA, Frantisek

"Nomography" by Vaclav Pleskot. Reviewed by Frantisek  
Jurga. Tech praca 15 no. 12: 1012 D '63.

GASIOREK, Adam, technik; KURZAK, Pawel; JURGAJKA, Stanislaw; SPIKOWSKI, Feliks, technik; SLOMIANCWSKI, Stanislaw

More efficient sack filters in the central coal milling plant of the electric power station in Czechnica. Gosp paliw 11 Special issue no.(95):27-28 Ja '63.

1. Elektrownia Czechnica-Siechnice, powiat Wroclaw.

RAIKKULA, C.

The dolomites of Raikkula stage in the Lower Silurian of Estonia. In Russia. p. 143.  
Vol. 2, no. 3, 1959.

EESTI ISODUS, (Eesti NSV Teaduste Akadeemia) Tartu, Estonia  
Vol. 9, no. 3, 1959.

Monthly List of East European Accessions (EEAI), Vol. 8, No. 12, Dec. 1959.  
Uncl.

JURHASZ, Jeno, Dr.; BALO, Jozsef, Dr.; KENDRASY, Gabor, Dr.

Experimental studies on the carcinogenic effects of isonicotinic acid hydrazide (INH). Tuberkulozis 10 no.3-4:49-54 Mar-Apr 57.

1. A budapesti Orvostudományi Egyetem I. Kórházának és Kísérleti Rákkutató Intézetének (igazgató Baló József dr. egyet tanár) közleménye.  
(ISONIAZID, tox.  
tumor induction in mice (Hun))  
(NEOPLASMS, exper.  
induction by isoniazid in mice (Hun))



ACCESSION NR: AP4023745

H/0008/64/000/003/0146/0152

AUTHOR: Szephalmi, Geza; Turi, Laszlo; Vigassy, Tozsef

TITLE: Neutron temperature measurements in the ZR-2 system

SOURCE: Energia es atomtechnika, no. 3, 1964, 146-152

TOPIC TAGS: neutron temperature measurement, ZR-2 system, thermal spectrum measurement, EK-10 fuel element, quadrangular lattice, VVR-S reactor, burnout, Uranium-water lattice, lattice moderator

ABSTRACT: The chief characteristics of the neutron spectrum of reactors and the chief methods of spectrum measurement are described. Authors describe their own measurement procedures, give neutron temperature measurements made with the ZR-2 zero reactor of the Central Research Institute and compare their results with similar measurements. So far as they know, no such measurements have hitherto been made in triangular-geometric aqueous lattices built of EK-10 fuel elements, but several have been made in various VVR-S type reactors, the core of which is a quadrangular lattice having 17.5 mm lattice divisions and built of EK-10 fuel elements. Since the  $\sum_a$  parameter basically governs the formation of neutron

$\frac{N}{H}$

Card 1/2

ACCESSION NR: AP4023745

spectra and the influence of the lattice geometry is slight, they compared their own measurements in a 19-mm division triangular lattice (corresponding on the basis of that parameter to the lattice of VVR-S reactors). The values show considerable divergences, probably because of differences in measuring methods, since WR-S type reactors with approximately the same burnout and spectrum are involved. In heterogeneous reactors, the thermal neutron spectrum can change greatly within so-called "unit cells". Mostovoy (Atomnaya Energiya, 13/6, 1962) made measurements relating to this in natural uranium-water lattices, on the basis of which it could be expected that this effect is also considerable in lattices formed of EK-10 fuel elements. "We thank all those who have made the publication of this article possible for their cordial collaboration, especially our scientific associates Barta Tamas, Frankl Laszlo and Konozos Gena, who were of assistance to us in the measurements." Orig. art. has: 1 figure, 2 tables and 29 equations.

ASSOCIATION: MTA Korponti Fizikai Kutatóintézet, Budapest (Central Physical Research Institute, Hungarian Academy of Sciences).

SUBMITTED: 00

DATE ACQ: 15Apr64

ENCL: 00

SUB CODE: NS

NO REF SOV: 001

OTHER: 016

Card 2/2

JURIC, M.

Some new concepts on the geology of the Paleozoic of the Sana-Una  
Rivers in northwestern Bosnia. Bul sc Jug 5 no.3:69-70 J1 '60.  
(EEAT 10:5)

1. Institut fur geologische Forschung der V.R.Bosnien und  
Herzegowina, Sarajevo.  
(Bosnia and Hercegovina--Geology)

JURIC, Marko (Foca)

A syndrome of bronchial obstruction in pulmonary tuberculosis in children. Tuberkuloza, Beogr. 12 no.2:211-230 '60.

1. Institut za tbc., Golnik (direktor: prim. dr T.Furlan)  
(TUBERCULOSIS PULMONARY compl)